

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 02/23569	<b>FOR FURTHER ACTION</b>	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/IL02/00571	International filing date ( <i>day/month/year</i> ) 16 July 2002 (16.07.2002)	(Earliest) Priority Date ( <i>day/month/year</i> ) 17 July 2001 (17.07.2001)
Applicant KING GREEN LTD.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the Report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (See Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. 2



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



None of the figures

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL02/00571

## Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

### NEW ABSTRACT

Apparatus for use by first party for key management for secure communication with a second party, said key management being to provide at each party, simultaneously remotely, identical keys for said secure communication without transferring said keys over any communication link, the apparatus comprising: a datastream extractor(70), for obtaining from data exchanged between said parties a bitstream, a random selector (72) for selecting, from said bitstream, a series of bits in accordance with randomization seeded by said data exchanged between said parties, a key generator (54) for generating a key for encryption/decryption (52) based on said series of bits, thereby to manage key generation in a manner repeatable at said parties.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL02/00571

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L9/08; H04L9/28  
US CL : 380/278

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 380/21, 28,30,46,49,278; 707/201; 375/356

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,375,169 A (SEHEIDT et al.) 20 December 1994 (20.12.1994), abstract, , Fig.3a, col. 5, line 56 through col 6, line 2, col. 6, lines 14-67, col. 8, lines 31-52, see also claims 1 and 2...	1-4,19-23,37-39
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Y		5-18,24-36,40-48
Y	5,923,758 a (KHAMHARA et al.) 13 July 1999 (13.07.1999), abstract, Fig., col. 2, line 62 through col. 3, line18, Fig.2, col. 3, lines lines 19-67 , col. 5, line 39 through col. 6, line 27.	5-18, 24-36,40-48
Y,E	20020156798 A1 (LARUE et al.) 24 October 2002 (24.10.2002), the entire document)	5-18,24-36,40-48

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

29 January 2003 (29.01.2003)

Date of mailing of the international search report

03 MAR 2003

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INTERNATIONAL SEARCH REPORT

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**Continuation of B. FIELDS SEARCHED Item 3:**

WEST , ProQuest, Dogpile: Serch terms: key adj management near5 randomi\$6 and symetric adj key or split adj key and synchr\$7, Key  
adj agreement